



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Strata Expl. Inc.
P.O. Box 401
Fairfield, IL 62837-0401
ATTN: Jon Christensen

13-27s.-20w. Kiowa Co. Ks

Theda Rose A 1-13

Job Ticket: 51855 **DST#: 1**

Test Start: 2013.11.28 @ 02:43:06

GENERAL INFORMATION:

Formation: **Lansing A**

Deviated: No Whipstock: 0.00 ft (KB)

Time Tool Opened: 05:12:36

Time Test Ended: 10:03:36

Test Type: Conventional Bottom Hole (Initial)

Tester: Ryan Reynolds

Unit No: 48

Interval: 4209.00 ft (KB) To 4225.00 ft (KB) (TVD)

Total Depth: 4225.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2274.00 ft (KB)

2263.00 ft (CF)

KB to GR/CF: 11.00 ft

Serial #: 8790 Inside

Press @ Run Depth: 32.53 psig @ 4210.00 ft (KB)

Start Date: 2013.11.28

End Date:

2013.11.28

Start Time: 02:43:11

End Time:

10:03:35

Capacity: 8000.00 psig

Last Calib.: 2013.11.28

Time On Btm: 2013.11.28 @ 05:07:06

Time Off Btm: 2013.11.28 @ 07:50:36

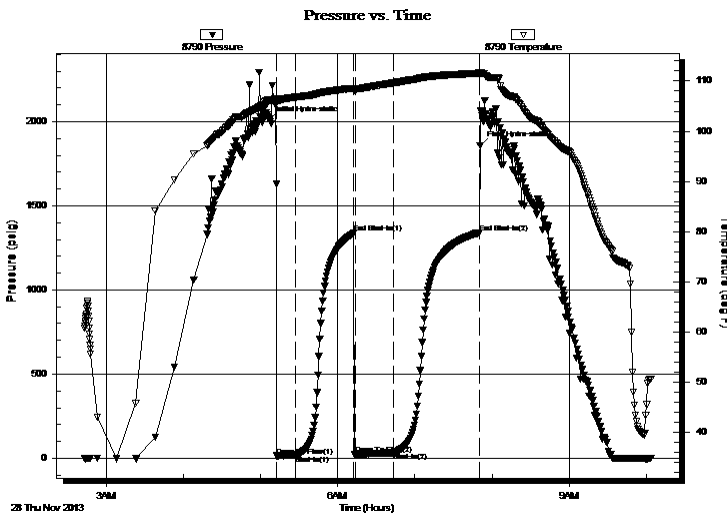
TEST COMMENT: IF: Weak blow . 1/4" - 1 1/2"

IS: No blow

FF: Weak surf. blow .

FS: No blow

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2008.49	106.19	Initial Hydro-static
6	14.51	105.85	Open To Flow (1)
21	19.94	106.80	Shut-In(1)
66	1336.49	108.57	End Shut-In(1)
67	24.94	108.30	Open To Flow (2)
97	32.53	109.65	Shut-In(2)
163	1340.64	111.57	End Shut-In(2)
164	1855.34	111.72	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
15.00	WCM 20%w tr, 80% mud	0.07

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



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FLUID SUMMARY

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Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	76000 ppm
Viscosity: 53.00 sec/qt	Cushion Volume: bbl		
Water Loss: 8.99 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 4000.00 ppm			
Filter Cake: 0.02 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
15.00	WCM 20%w tr, 80%mud	0.074

Total Length: 15.00 ft Total Volume: 0.074 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

Recovery Comments:

